

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>1022</u>] *STATE CODE [<u>27</u>] *SHRP SECTION ID [<u>1087</u>]
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SCANNED
 JUN 17 2008
 BY [Signature]

STATE OR PROVINCE MN COUNTY Dakota
 HIGHWAY ROUTE NO. TH13 MILEPOST# 101.37
 NEAREST CITY/TOWN Eagan NEAREST INTERSECTION 0.1 Mi. N. CR 30
 FUNCTIONAL CLASS 14 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
 DIRECTION OF TRAVEL GPS LANE NB DATE OPENED TO TRAF. - - - 79
 FIPS COUNTY CODE 037 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. none HPMS SUBDIVISION NO. _____
 TYPE OF PAVEMENT: AC X PCC _____ OTHER _____
 CONTROL OF ACCESS: YES _____ NO X MEDIAN: YES X NO _____
 CURRENT SURROUNDING DEVELOPMENT:
 URBAN _____ SUBURBAN X RURAL _____
 HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?
 YES X NO _____
 IF YES, DESCRIBE CHANGES office parks, shopping

NOTE: ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE
SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE LOCATION OF
EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT
STATION RELATIVE TO THIS GPS TEST SECTION.

NAME OF PREPARER <u>Curtis Dahlin</u> DATE PREPARED <u>10-29-90</u>	PHONE # <u>(612) 296-6846</u>
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SHEET 2
LTPP TRAFFIC DATA

**TRAFFIC VOLUMES
AND LOAD ESTIMATES**

*STATE ASSIGNED ID [1022]

*STATE CODE [27]

*SHRP SECTION ID [1087]

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESAL'S / YR GPS LANE (1000's)
1989	16,350	1070	5400	350	107
1988	16,100	1050	5300	350	107
1987	16,750	1110	5525	370	113
1986	17,400	1170	5740	390	120
1985	19,750	1085	6520	360	110
1984	22,100	1000	7300	330	99
1983	19,300	1020	6370	340	101
1982	16,500	1045	5450	340	101
1981	16,250	1020	5360	340	101
1980	16,000	1000	5280	330	99
1979	15,100	900	4980	300	96
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER Curtis Dahlin PHONE # (612) 296-6846
DATE PREPARED 10-29-90

SHEET 3

LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

*STATE ASSIGNED ID [1022]

*STATE CODE [27]

*SHRP SECTION ID [1087]

 1. Year Applicable 79, 81, 83
85, 87

2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.
☐ Averaged multiple counts taken this year at the GPS site.
☐ Averaged and factored multiple counts taken this year at the GPS site.
☐ Growth factored last year's estimate.
☐ Estimated based on volume counts at nearby locations.
☐ Used flow maps.
☐ Used computerized network analyses.
☒ Other: interpolated even year counts

79-85 counts not axle corrected

3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.
☐ Factored a single count taken this year at the GPS site.
☐ Averaged multiple counts taken this year at the GPS site.
☐ Used system averages from counts taken this year.
☐ Used count data from nearby sites.
☐ Used count data taken in earlier years at the GPS site.
☐ Used system averages taken in earlier years at the GPS site.
☐ Used computerized network analyses.
☒ Other: interpolated even year counts

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☒ System distribution factors.
☐ Other: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☒ System distribution factors.
☐ Other: _____

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☐ ESAL/Vehicle class. (no. of classes) _____
☒ Other: Used Total # of Trucks + ave. ESAL factors

7. ESAL ESTIMATES

(A) Source of Data

- ☐ Weight data collected at GPS site this year.
☐ Weight data collected at GPS site prior years.
☒ Weight data from system averages this year.
☒ Weight data from system averages prior years.
☐ Weight data from historic W-4 Tables used.
☐ Other: _____

(B) Weight Scale Type

- ☐ WIM scale.
☐ Static scale used for enforcement.
☒ Static scale not used for enforcement.
☐ Other: _____

NAME OF PREPARER Curtis DahlinPHONE # (612) 296-6846DATE PREPARED 10-29-90

SHEET 3

LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

*STATE ASSIGNED ID [1022]

*STATE CODE [27]

*SHRP SECTION ID [1087]

1. Year Applicable 80, 82, 84,
86, 88

2. METHOD FOR ESTIMATING AADT

- ☒ Factored a single count taken this year at the GPS site.
☐ Averaged multiple counts taken this year at the GPS site.
☐ Averaged and factored multiple counts taken this year at the GPS site.
☐ Growth factored last year's estimate.
☐ Estimated based on volume counts at nearby locations.
☒ Used flow maps.
☐ Used computerized network analyses.
☐ Other: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☒ System distribution factors.
☐ Other: _____

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☐ ESAL/Vehicle class. (no. of classes) _____
☒ Other: used Total # of Trucks + ave. ESAL factors

3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.
☐ Factored a single count taken this year at the GPS site.
☐ Averaged multiple counts taken this year at the GPS site.
☐ Used system averages from counts taken this year.
☐ Used count data from nearby sites.
☐ Used count data taken in earlier years at the GPS site.
☐ Used system averages taken in earlier years at the GPS site.
☐ Used computerized network analyses.
☒ Other: used est. developed for flow maps

7. ESAL ESTIMATES

(A) Source of Data

- ☐ Weight data collected at GPS site this year.
☐ Weight data collected at GPS site prior years.
☒ Weight data from system averages this year.
☒ Weight data from system averages prior years.
☐ Weight data from historic W-4 Tables used.
☐ Other: _____

(B) Weight Scale Type

- ☐ WIM scale.
☐ Static scale used for enforcement.
☒ Static scale not used for enforcement.
☐ Other: _____

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☒ System distribution factors.
☐ Other: _____

NAME OF PREPARER Curtis DahlinPHONE # (612) 296-6846DATE PREPARED 10-29-90

SHEET 3

LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

*STATE ASSIGNED ID [1022]

*STATE CODE [27]

*SHRP SECTION ID [1087]

1. Year Applicable 89

2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.
☐ Averaged multiple counts taken this year at the GPS site.
☐ Averaged and factored multiple counts taken this year at the GPS site.
☒ Growth factored last year's estimate.
☐ Estimated based on volume counts at nearby locations.
☐ Used flow maps.
☐ Used computerized network analyses.
☐ Other: _____

3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.
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☐ Used count data from nearby sites.
☐ Used count data taken in earlier years at the GPS site.
☐ Used system averages taken in earlier years at the GPS site.
☐ Used computerized network analyses.
☒ Other: growth factored last year's est.

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☒ System distribution factors.
☐ Other: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☒ System distribution factors.
☐ Other: _____

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☐ ESAL/Vehicle class. (no. of classes) _____
☒ Other: used Total # of trucks + ave. ESAL factors

7. ESAL ESTIMATES

(A) Source of Data

- ☐ Weight data collected at GPS site this year.
☐ Weight data collected at GPS site prior years.
☐ Weight data from system averages this year.
☒ Weight data from system averages prior years.
☐ Weight data from historic W-4 Tables used.
☐ Other: _____

(B) Weight Scale Type

- ☐ WIM scale.
☐ Static scale used for enforcement.
☒ Static scale not used for enforcement.
☐ Other: _____

NAME OF PREPARER Curtis DahlinPHONE # (612) 296-6846DATE PREPARED 10-29-90

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [<u>1022</u>]
	*STATE CODE [<u>27</u>]
	*SHRP SECTION ID [<u>1087</u>]

HIGHWAY ROUTE NO. (THIS COUNT) TH 13

MILEPOST# OR LOCATION (THIS COUNT) MP 101.4

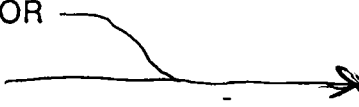
BEGINNING DATE 5-17-88 ENDING DATE 5-19-88

BEGINNING TIME 1400 ENDING TIME 1400

COUNT DURATION 48 ☒ HOURS [] DAYS [] MONTHS

TYPE OF COUNTER _____ NAME/MODEL # _____

TYPE OF COUNT: TWO-WAY ☒ ONE DIRECTION ONLY _____ GPS TEST LANE ONLY _____

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		<u>20,077</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		<u>---</u>
B. AXLE CORRECTION FACTOR		<u>.97</u>
C. DAY OF WEEK FACTOR		<u>---</u>
D. MONTH FACTOR		<u>855</u>
E. OTHER FACTOR (<u>Seasonal Factor</u>)		<u>---</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>16,650</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>.50</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>.66</u>
6. AADT GPS LANE		<u>5480</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>(612) 296-6846</u>
DATE PREPARED <u>10-26-90</u>	

<p style="text-align: center;">SHEET 14</p> <p style="text-align: center;">LTPP TRAFFIC DATA</p> <p style="text-align: center;">LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM</p>	* STATE ASSIGNED ID [1 0 2 2]
	* STATE CODE [2 7]
	* SHRP SECTION ID [1 0 8 7]

* STATE CODE [2 7]

* STATE CODE [2 7]

TYPE EQUIP	BP
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MODEL #	IRD
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[illegible]